FEDOROV, B.P.

Diagnosis of pulmonary suppurations under polyclinical conditions. Khirurgiia no.1:115-119 162. (MIRA 15:11)

1. Iz kliniki obshchey khirurgii lecebnogo fakuliteta (zav. - prof. V.I. Struchkov) I Moskovskogo ordena Lenina meditsinskogo instituta imoni I.M. Sechenova.

(LUNGS-DISEASES)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620005-1"

1. 持續發展機構發展影響

STRUCHKOV, V.I., prof.; FEDOROV, B.P. (Moskva)

Errors in acute appendicitis. Khirurgiia 40 no.2:65-72 F '64.

(MIRA 17:7)

STRECHEOV, V.I., prof.; FELOROV, B.P.; VOL!-EPSHTEYN, G.L. (Moskva)

Montuberculous spontaneous pneumothrax. Sov. med. 28 no.3:10-15
Mr 165.

(MIRA 18:10)

STRUCHKOV, V.1., prof.; FEDOROV, B.P.; NEDVETSKAYA, L.M.

Some problems of the diagnosis and treatment of acute pulmonary abscesses. Sov. med. 28 no.9:3-9 S 165. (MIRA 18:9)

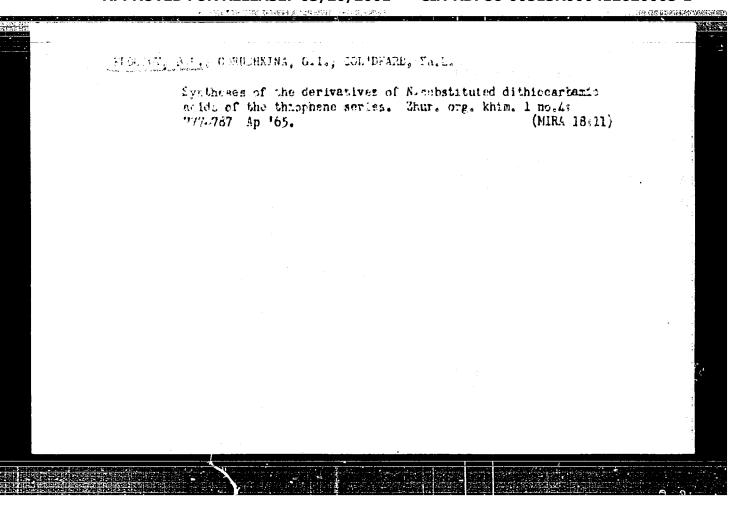
1. Klinika obshchey khirurgii lechebnogo fakul'teta I Moskovskogo meditsinskogo instituta imeni Sechenova i bol'nitsy No.23 imeni "Medsantrud".

KUZNETSOV, G.K.; TARUNIN, Yu.N.; FEDOROV. B.P.

Power testing of the TG-135-L tow shaker. Izv. vys. ucheb.
zav.; tekh. tekst. prom. no.6:18-21 '64. (MIRA 18:3)

1. Kostromskoy tekhnologicheskiy institut.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620005-1"



USHAKOV, V.A., kandidat tekhnicheskikh nank; KARAGODIN, V.A. inshener; MORO,
A.I., inzhener; KHAZANOV, B.E., inshener; PEDOROV, B.S., inzhener; MALITSKIY, S.I. inzhener.

Design and building of large size storm sewers. Gor.khoz. Mosk. 27 no.6:
26-30 Je '53.

(Moscow--Drainage)

(Moscow--Drainage)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620005-1"

15-57-3-3740

Referativnyy zhurnal, Geologiya, 1957, Nr 3, Translation from:

p 181 (USSR)

Fedorov, B. S. AUTHOR:

TITLE: An Experiment on the Practical Application of a Method

of Electrical Drainage of Clay Soils (Opyt prakticheskogo primeneniya sposoba elektroosusheniya glini-

stykh gruntov)

Tr. n.-i. in-ta osnovaniy i fundamentov, 1954, Nr 23, PERIODICAL:

pp 13-21

ABSTRACT: During the construction of trenches 9 m deep and 4.7 m

wide--to be used for lining of reinforced concrete collectors--water-saturated unstable ground that passed into a state of liquefaction was exposed. By using electrical drainage in combination with suction pumps, the moisture of the sandy loam was lowered from 32.8 to 17 percent. The ground water level was lowered 4.5 m

and the sandy loam was changed from running ground to firm ground. During pumping the sandy filter material

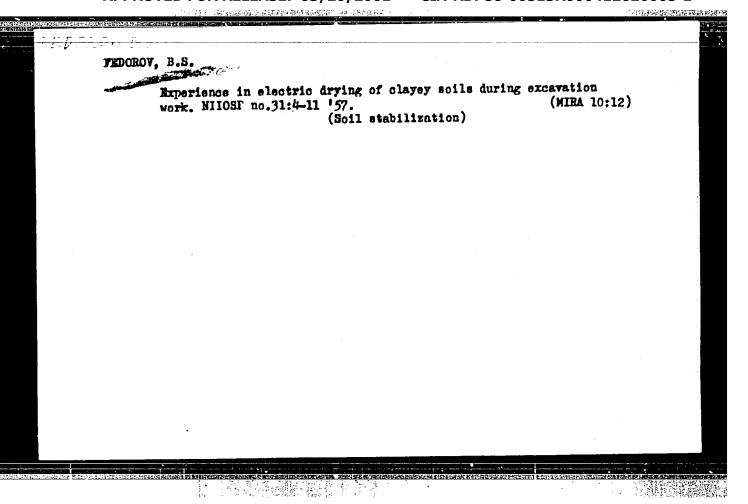
Card 1/3

15-57-3-3740

An Experiment on the Practical Application (Cont.)

Cataphoresis during the use of direct current prevents silting, and the water pumped out is perfectly transparent. Not a trace of clay particles was found within the filter. During the opening up of a trench in the Vladimir region, running ground developed because of the effect of hydrodynamic pressures. The trench, which needed to be dried, was 21 by 8.5 m and 3 m below the water table. The bottom of the trench consisted of very sludgy, fine sandy clay. It was suggested that a filtering apparatus with a suction pump be used. After 15 days of effort, the ground water level had been lowered 2.5 m. Electrical drainage was used for further lowering. This additional lowering of the water table by using direct electric current amounted to 1.3 m. The current density in the zone between the electrodes was one amp/m². Laboratory experiments have shown that an increase in current density to 5 amp/m² has a considerable effect on lowering the water. The experiments have also shown that if the water contains calcium it is more economical to use pumps of the ZK-6 type in combination with Card 2/3

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620005-1



ANATOL'YEVSKIY, Pavel Aramovich; GANICHEV, Ivan Aleksandrovich;
SHEYERDY, Osip Markovich, Prinimal uchastiye: PEN'KOV, A.I.;
FAYERMAN, N.B.; KULICHIKHIN, N.I., doktor tekhn. nauk, prof.,
zasl. deyatel' nauki i tekhniki RFSR, retsensent; FEDDRDY,
B.S., insh., nauchnyy red.; FRIDKIN, L.M., tekhn. red.

[Drilling technology in building power installations] Tekhnologiia bureniia v energeticheskom stroitel'stve. Pod obshchei red. I.A.Ganicheva. Moskva, Gosenergoizdat, 1962. 407 p.

(MIRA 16:5)

(Boring)

SOLODKO, A.P., inzh.; FEDOROV, B.S.

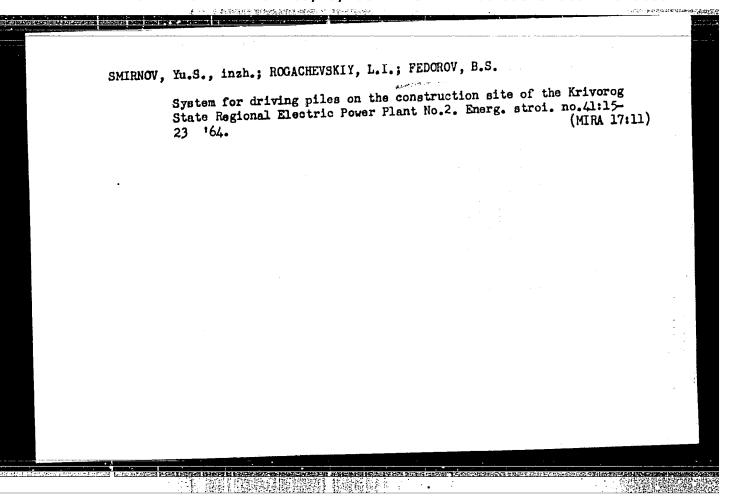
Results of the All-Union voluntary inspection of the quality of construction and the competition for the best building erected according to standard designs. Prom.stroi. 41 no.3:41-44 Mr 164... (MIRA 17:3)

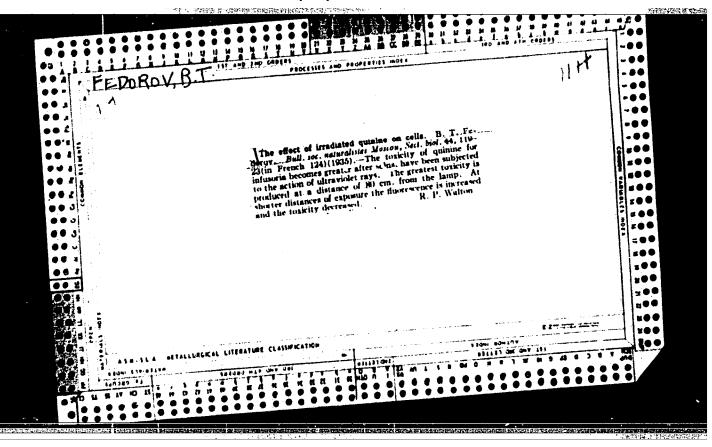
APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620005-1"

GAVRILKO, V.M., doktor tekhn. nauk; FEDOROV, B.S., inzh.

Use of porous ceramic filters. Energ. stroi. ho.33:47-52 163. (MIRA 17:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut vodosnabzheniya, kanalizatsii, gidrotekhnicheskikh sooruzheniy i inzhenernoy gidrogeologii (for Gavrilko), 2, Gosudarstvennyy vsesoyuznyy trest po ukrepleniyu osnovaniy i sooruzheniy Ministerstva elektrostantsiy SSSR (for Fedorov).





Pantiko, 1.T.

Fedorov, E.T. "The results of the work of the expedition of the Institute for Epide: iology, Microbiology, and Infectious Diseases of the Academy of Medical Sciences, USSR, in 1947", Vestnik Akad. med. nauk SSSR, 1947, No. 6, p. 50-52.

SO: U-3042, 11 March 53, (Letopis 'zhurnal 'nykh Statey No. 7, 1949)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620005-1"

Card 1/1

USSR/Diseases of Farm Animals. Non-Contagious Diseases. R-2 Ref Zhur-Bibl., No 18, 1958, 83583 Abs Jour Fedorov, B. T., Mirolyubov, I.I., Polivenskaya, K. Author D.; Dorokhova, A. K. No institute is given Institute Title Steatitis Disease in Minks. Orig Pub : Karakulevodstvo i zverovodstvo, 1957, No 6, 54-56 : At one of the sovkhozes for animal breeding, an outbreak Abstract of polyavitaminosic steatitis ("yellow fat" disease) occurred among young minks. The disease was characterized by a general depression, by food refusal, by diarrhea with yellow or dark-green feces, sometimes by seizures accompanied by spasms or paralyses. An autopsy of succumbed animals uncovered a well advanced degenerative adiposity. The disease was caused by continuous feedings of fish romants containing rancid fat to the animals.

5/200/62/000/011/004/008 D243/D307

AUTHORS:

Brekhman, I. I., Bykhovtsova, T. L., Ratimov, B. N., Suprunov, N. I. and Fedorov, B. T.

TITLE:

The first results of trials of preparations of the spiny Eleutherococcus in fur farming, poultry farming

and bee-keeping

PERIODICAL:

Akademiya nauk SSSR. Sibirskoye otdeleniye. Izvestiya,

no. 11, 1962, 123-128

TEXT: The present work extended the authors' previous investigations on the effects of Eleutherococcus. 200 minks, aged 4 months on September 3, 1961, received 1 ml/kg of fluid extract of Eleutherococcus root daily with milk. At death (November 28, 1961) their average weight exceeded that of controls by 92 g (8.1%) for males, and 57 g (7.1%) for females. Three treated animals died, as compared with 13 controls. Of the 123 animals treated, 57.4% had large pelts, 31.4% average and 23.2% small: control figures were 48%, 28.8% and 23.2% respectively. Pelt value increased by -1 Card 1/3

The first results of ... 5/200/62/000/011/004/008

5.3%. Liver and muscle glycogen, serum albumen and percent globulin rose and the albumen-globulin ratio fell from 1.55 to 1.40. In animals with 'wetting' disease, daily administration of 1 ml/kg Eleutherococcus root rapidly improved appetite and general condition and dried the affected parts of the pelt. Full recovery was reached after 3 - 5 days. The health and survival of incubator chicks was much improved after treatment with 1% solution of Eleutherococcus leaf extract. 0.5 to 2% solutions greatly increased appetite, mobility and activity, and led to earlier plumage and, in cocks, to earlier comb growth. 1 ml/kg Eleutherococcus root extract with the feed increased the weight of experimental birds, whose egg-laying capacity was also less affected by cold weather, being 2.2 times that of controls. Egg-laying began one month earlier and was more regular. The difference in the number of eggs during the experiment was 17.2% and the average weight of an egg increased by 13.5%. Bees given 0.5 - 2% solutions of Eleutherococcus root extract in sugar syrup developed faster, were more active, flew abroad earlier, flew in bad weather, and finished flying later, these effects increasing with concentration. Honey pro-Card 2/3

duction was increased by 60% by giving a 2% extract of Eleuthero-coccus root and by 19% by a similar dose of leaf extract for 20 days. There are 2 figures and 2 tables.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620005-1"

Card 3/3

ACCESSION NR: ARLO36254

8/0137/64/000/003/0005/0005

SOURCE: Referativnysy shurnal. Metallurgiya, Abs. 3028

AUTHOR: Nadol'skiy, A. P.; Slavnin, G. P.; Fedorov, B. T.; Kidyarov, B. I.

TITLE: Preparation of quality-standardised titanium concentrates from titanium or concentrating capacity

CITED SOURCE: Tr. Irkutskogo politekhn. in-th, vy*p. 18, 1963, 156-159

TOPIC TAGS: Titanium concentrate preparation, ilmenite, sircon, rutile, siderite, titanium ore drossing, titanium dioxide extraction

TRANSLATION: The possibility of obtaining a Ti concentrate by using gravity concentration and electromagnetic separation was investigated. The mineralogical composition of the sample was (in \$): ilmenite 0.5, zircon 0.01, rutile 0.02, etc. Ilmenite concentrates in fine clay classes. The technological process recommended includes the soaking and desliming of Ti-containing clays with a high siderite content, concentration on a table and electromagnetic separation of sands, acid leach-

Card 1/2

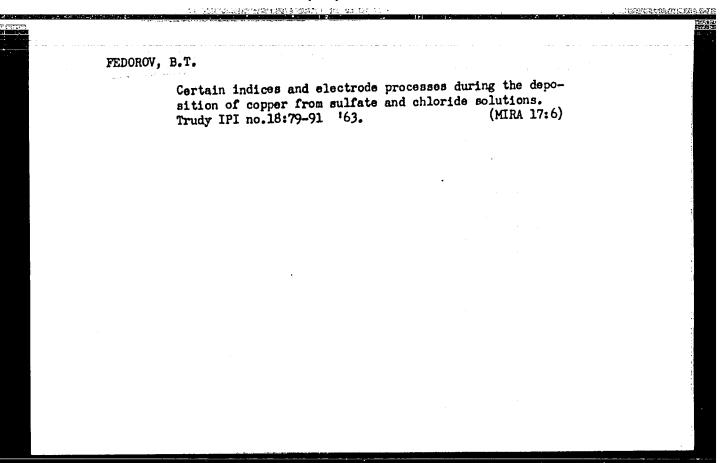
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| | ing of the magnetic fraction for the purpose of dissolving siderite, and magnetic separation of the solid products of hydrometallurgical processing. Quality-stand ardized Ti concentrates containing 26.6% TiO ₂ were thus obtained. A. Shmeleva. | | | | | | | | | | | | | | | ic nd- | | | | | | |
| - 1 | | ACQ: | | pról | | | | | | | ML | | | | | encl | | | | † | | ٠ |
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NADOL'SKIY, A.P.; SLAVNIN, G.P.; FEDOROV, B.T.; KIDYAROV, B.I.

Obtaining conditioned titanium concentrates from hard-toconcentrate titanium ores. Trudy IPI no.18:156-159 '63.

(NIRA 17:6)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620005-1"

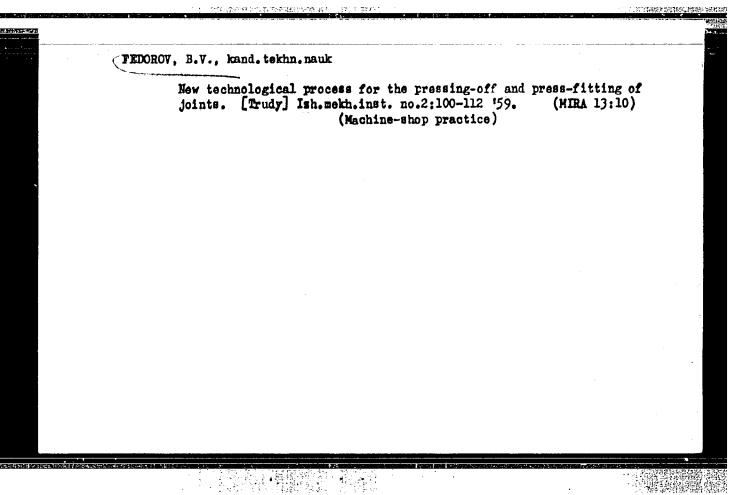


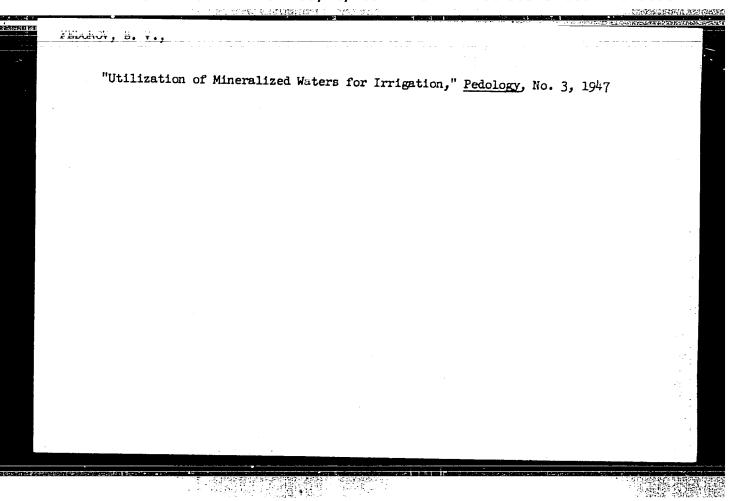
BREKHMAN, I.I.; BYKHOVTSOVA, T.L.; RATIMOV, B.N.; SUPRUNOV, N.I.; FEDOROV, B.T.

First results of testing preparations derived from Eleutherococcus senticosus in fur farming, poultry husbandry and bee culture. Izv. Sib. otd. AN SSSR no. 11:123-128 '62. (MIRA 17:9)

1. Dal'nevostochnyy filial Sibirskogo otdeleniya AN SSSR, Vladivostok.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620005-1"





25044. FEDOROV, B. V. O Metode Agromeliorativnogo Rayonirovaniya Territorii.
Trudy Yubileynoy Sessii, Posvyashch. Stoletiyv So Dnya Rozhdenya Dokuchayeva. M.-L.,
1949, S. 529-34. — Bibliogr: S. 534.

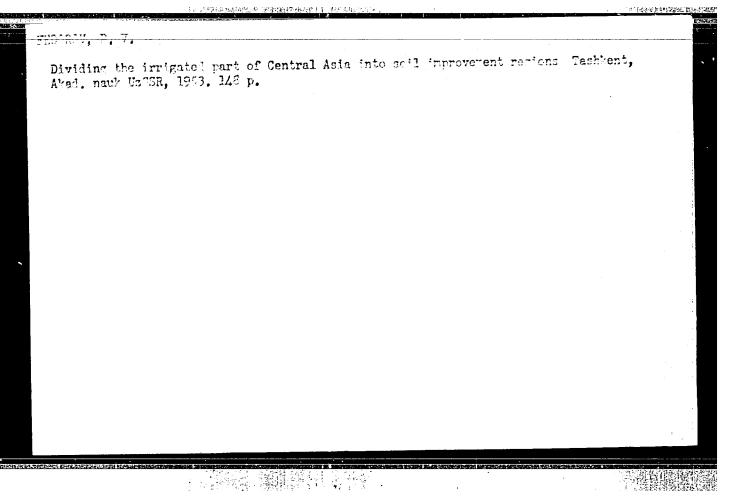
SO: Letopis' No. 33, 1949

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620005-1"

FEDOROV, P. V.

FEDOROV, B. V. - "Agromeliorative Regionalization as a Basis for Establishing an Agrotechnical Complex to Increase Soil Productivity." Sub 28 Mar 32, Soil Inst, Acad Sci USSR. (Dissertation for the Degree of Doctorates of Agricultural Sciences).

SO: Vechernaya Moskva January-December 1952



FEDOROV, B. V

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions amnounces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

Name

Title of Work

Rominated by

Academy of Sciences Uzbek SSR

Fedorov, B, V,

"Agricultural Soil Improvement Regionalization of Irrigation Zones of Central Asia"

80: W-30604, 7 July 1954

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620005-1"

FEDOROV, B.Y.

Story of the reclamation of the Golodnaya Steppe. Isv.AN Us.SSSR. Ser.biol.nauk no.1:15-27 *57. (MIRA 13:6) (GOLODNAYA STEPPE--IRRIGATION)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620005-1"

FELITSIANT, Izrail' Noyevich; FEDOROV, B.V., doktor sel'khoz.nauk, otv.red.; BOYKO, A.N., Fed.; KRASNOFOL'SKIY, S.A., tekhn. red.

[Studying the laws of capillary motion of water and salt solutions in stratified soils] Opyt izucheniia zakonomernostei kapilliarnogo peredvizheniia vody i rastvorov solei v sloistykh gruntakh. Tashkent, M-vo selikhoz. Uzbekskoi SSR, 1961. 108 p. (MIRA 15:7)

(Soil percolation)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620005-1"

一:中国推荐李建筑建筑建设。

FEDOROV D. A.

181T26

USSR/Electricity - Transmission, Power Corona Jan 51

"Calculation of Corona Losses on 400-KV Power Lines,"
Docent V. A. Venikov, Cand Tech Sci, D. A. Fedorov,
Engr, Moscow Power Eng Inst imeni Molotov

"Elektrichestvo" No 1, pp 10-14

Examd problem of detg corona power and energy losses in connection with planning of long super-high voltage power lines. Discussion is requested of method proposed by authors for applying experimentally obtained data to the planned lines, and for detg both av-yearly and max losses along entire line. Submitted 16 Oct 50.

181726

产生的现在分词

Name FEDOROV, D. A.

Dissertation Investigating the possibility of

capacticance-compensated using synchronous compensators in electric system

Degree Cand Tech Sci

Defended At Min Higher Education USSR, Moscow Order of Lenin Power Inst imeni V. M. Molotov .

Publication Date, Place 1956, Moscow

reacher 1) A

Source Knizhnaya Letopis' No 6, 1957

FEDOROV, D.A.

UTHORS:

Venikov, V.A., Doctor of Technical Sciences, 105-9-2/32 Professor, Fedorov, D.A., Candidate of Technical Sciences

TITLE:

Concerning the Use of Compensated Synchronous Compensators (K voprosu o primenenii kompensirovannykh sinkhronnykh kom-

pensatorov)

PERIODICAL:

Elektrichestvo, 1957, Nr 9, pp. 10-13 (USSR)

ABSTRACT:

One of the measures which make the increase of the static stability of long dictance circuits possible is the use of synchronous compensators in intermediary substations. The power of synchronous compensators necessary for this purpose can be reduced at the cost of a connection in series of static condensers. The authors show that compensation by capacity can be useful although it is no universal means for the improvement of transmissivity. The authors also show that the basic problem which should be dealt with is not the struggle with self-excitation and -oscilletion, which can be removed, but the obtaining of an effective compensation in comparison with the automatic control of a greatly effective excitation and the investigation of the possibilities of an automatic control of excitation in the presence of capacity. A use of compensation through capacity is also not impossible in the case of synchronous compensators in relation to a small power in a system with low voltage.

Card 1/2

VENIKOV, V.A., doktor tekhn.nauk, prof.; FEDOROV, D.A., kand.tekhn.nauk

Using compensated synchronous compensators in electric systems.

(MIRA 11:9)

Trudy MBI no.26:59-74 '57.

(Electric power distribution)

FEDOROV, D.A., kand.tekhn.nauk

Bifect of the excitation on the nature of asynchronous self-excitation
machines. Trudy MSI no.26:127-132 '57. (MIRA 11:9)
of synchronous machinery, Synchronous)

(Electric machinery, Synchronous)

DOLGINOV, A.I.; FEDOROV, D.A.

Investigating the conditions for self-excitation in typical electric power transmission circuits. Hauch.dokl.vys.shkoly; energ. no.3:45-60 '58. (MIRA 12:1)

l. Rekomendovano kafedroy elektricheskikh setey i sistem Gidro-energeticheskogo instituta. (Electric networks)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620005-1"

8 (2)

Venikov, V. A., Doctor of Technical AUTHORS:

SOV/105-59-11-22/32

Sciences, Professor, Fedorov, D. A., Candidate of Technical

Sciences, Docent

TITLE:

Reply to a Remark Made by Yu. A. Rozovskiy

PERIODICAL:

Elektrichestvo, 1959, Nr 11, p 85 (USSR)

ABSTRACT:

This is a reply to a remark made by Yu. A. Rozovskiy in Elektrichestvo, 1959, Nr 11, pp 84-85 (present periodical) concerning the paper published by the authors in Elektrichestvo, 1957, Nr 9. In the Moskovskiy energeticheskiy institut (Moscow Institute of Power Engineering) and in the Teploelektroproyekt experiments were made to clarify the advantages and disadvantages of compensated synchronous compensators? Also a special damping system with a higher time constant to suppress self-excitation was investigated. In the aforementioned paper of the two authors this measure is regarded as being more general and simpler and, as was shown experimentally, its

efficiency is satisfactory. The complication of the machine construction proposed in Yu. A. Rozovskir's remark and in 10

his paper (Rof 2)

writter.

collaboration with

Card 1/2

Ye. A. Marchenko and V. A. Andreyuk solely for the purpose

Reply to a Remark Made by Yu. A. Rozovskiy

SOV/105-59-11-22/32

of suppressing self-excitation is judged uneconomical the authors emphasize the advantages of fitting small damping resistors into the stator circuit and they are of opinion that the criticism of experimentally and analytically proved factors is not sufficiently substantiated. According to the authors the positive influence on the stability of the synchronous compensator is obvious, since a machine with lower capacity and increased excitation flux offers better conditions than a machine with increased capacity. Furthermore it is said that in heavy breakdowns compensation does not improve dynamic stability. The authors are also of opinion that the compensated synchronous compensators exhibit essential drawbacks and that before they are used a technical and economic comparison should be made with other constructions of the same type. There are 6 Soviet references.

Card 2/2

ANISIMOVA, N.D.; VENIKOV, V.A., prof., doktor tekhm.nauk, laureat Leninskoy premii; YEZHKOV, V.V.; ZHUKOV, L.A.; NADEZHDIN, S.V.; ROZANOV, M.N.; FEDOROV, D.A.; TSOV YANOV, A.N.; LARIONOV, G.Ye., tekhn.red.

[Examples and illustrations of transient processes in electrical systems] Perekhodnye protsessy elektricheskikh sistem v primerakh i illiustratsiiakh. By N.D.Anisimov i dr. Moskva, Gos. energ.izd-vo, 1962. 383 p. (MIRA 15:4)

1. Kafedra "Elektricheskiye sistemy" Moskovskogo energeticheskogo instituta (for all except Lationov). 2. Zaveduyushchiy kafedroy "Elektricheskiye sistemy" Moskovskogo energeticheskogo instituta (for Venikov).

(Transients (Electricity)) (Electric networks)

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S/103/62/023/005/006/011 D407/D301

機関類。

9,7100 AUTHOR:

Fedorov, D.A. (Moscow)

一种经验总量等 医囊膜 医静心区

TITLE:

Effect of extrapolators on the characteristic of a linear digital automatic system

PERIODICAL:

Avtomatika i telemekhanika, v. 23, no. 5, 1962,

602 - 609

TEXT: Linear digital automatic systems containing extrapolating devices, are considered. Usually, converters of i-th order serve as extrapolators. The block diagram of a linear digital system with a converter is shown. It incorporates the discrete and the continuous elements, the digital computer and the extrapolator. The system is described in terms of Laplace's classical transform, it being considered as a continuous content of the continuous content of the continuous content of the continuous content of the content of the continuous content of the continuous content of the content of the continuous content of the content of the continuous content of the content of t sidered as a continuous automatic system with regard to the input signal x₁(t). The averaged spectral density of the random output signal is obtained by means of a Fourier transform of the autocorrelation function R_{f_0} . The random signal x(t) is converted into the nonstationary random signal $x_1(\bar{t})$. As an example, an elementary Card 1/2

Effect of extrapolators on the ...

S/103/62/023/005/006/011 D407/D301

closed-loop sampled-data system with a converter of zero order, is considered. Linear digital systems can be investigated not only by the generally-accepted method of Ya.Z. Tsypkin (Ref. 1: Teoriya impul'snykh sistem (Theory of Sampled-Data Systems). Fizmatgiz, 1960) but also by the methods of analysis of linear continuous systems. Such a combination of computational methods of linear continuous and discrete systems could be useful in investigating complex systems, incorporating continuous and discrete systems, especially digital systems. In Ref. 1 (Op.cit.) the calculation of such mixed systems is based on the description of the continuous elements by means of the discrete Laplace transform. In the present article, an attempt is made to use the classical, continuous, Laplace transform for the discrete elements (in the given case the digital computer and the converter); this constitutes a new approach to discrete systems. The above method of analysis of digital systems reduces to the generally-accepted one, if the argument t in all the time-relationships is replaced by n + &. An ideal converter is described in an appendix. There are 5 figures and 5 references.

SUBMITTED:

November 1, 1961

Card 2/2

ANISIMOVA, N.D., kand.tekhn.nauk, dotsent; VENIKOV, V.A., doktor tekhn.nauk, prof.; DOLGINOV, A.I., doktor tekhn.nauk; FEDOROV, D.A., kand.tekhn.nauk, dotsent

Self-excitation and self-rocking in electrical systems. Elektrichestvo no.4:11-18 Ap '63.

(MIRA 16:5)

1. Moskovskiy energeticheskiy institut.
(Electric power distribution)

THUKOV, L.A., kand.tekhn.nauk, dotsent; FEDOROV, D.A., kand.tekhn.nauk, dotsent

Determination of mntual and self-conductances in complex electric power systems. Isv. vys. ucheb. zav.; energ. 6 no.3:14-21 %r '63% (MIRA 16'5)

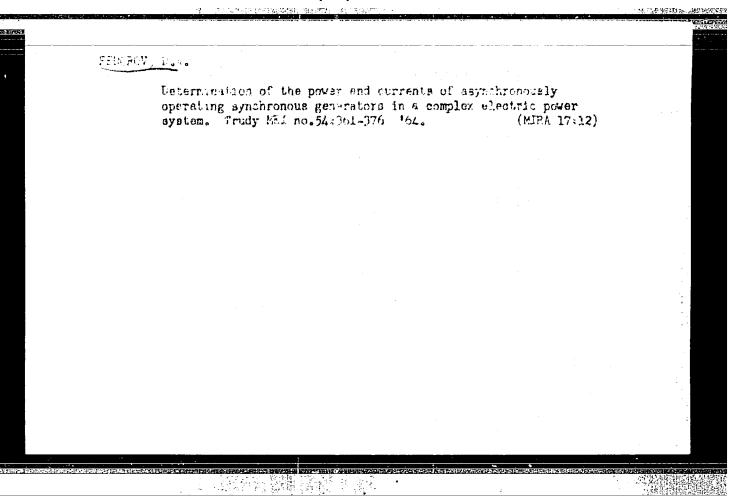
1. Moskovskiy ordena lenina energeticheskiy institut. Predstavlena kafedroy elektrioheskikh sistem. (Electric networks)

ZHUKOV, L.A., kand. tekhn. nauk, dotsent; FEDOROV, D.A., kand. tekhn. nauk, dotsent; LAUGERBAKH, E., inzh.; MARYUTIN, V.A., inzh.

Study of the effect of automatic excitation control on the e.m.f. of generators operating in a steady asynchronous mode in a simple electrical system. Elektrichestvo no.10:38-42 0 64.

(MIRA 17:12)

1. Moskovskiy energeticheskiy institut.



ZHUKOV, L.A., kand. tekhn. nauk, dotsent (Moskva); FEDOROV, D.A., kand. tekhn. nauk, dotsent (Moskva)

Representation of synchronously operating generators in the equivalent circuits of electrical systems with approximate determination of the parameters of asynchronous modes of operation. Elektrichestvo no.7:1-7 Jl 164. (MIRA 17:11)

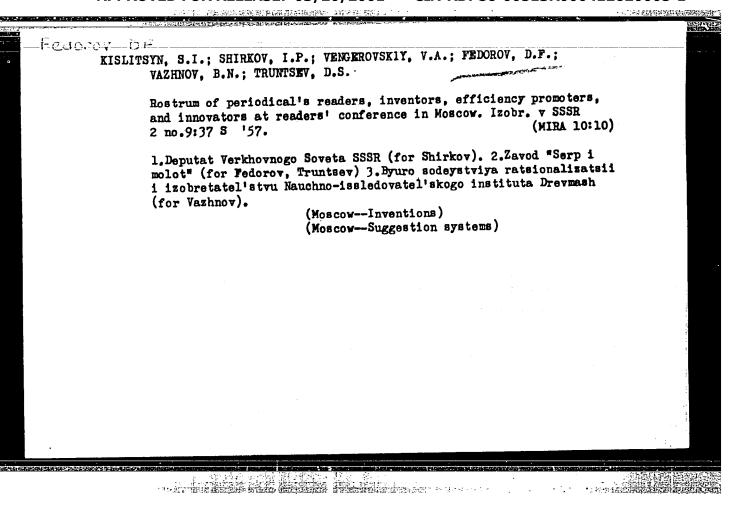
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ROTSHTEYN, G.A.; FEDOROV, D.D., prof., otv.red.; SNEZHNEVSKIY, A.V., prof., red.

[Hypochondriac schizephrenia] Ipokhondricheskaia shizofreniaa. Pod red. A.V.Snezhnevskogo. Moskva, Gos.nauchno-issl.in-t psikhiatrii MZ RSFSR, 1961. 136 p. (MIRA 15:4)

1. Direktor Instituta psikhiatrii Ministerstva zdravookhraneniya RSFSR (for Fedorov). 2. Chlen-korrespondent AMN SSSR (for Snezhnevskiy).

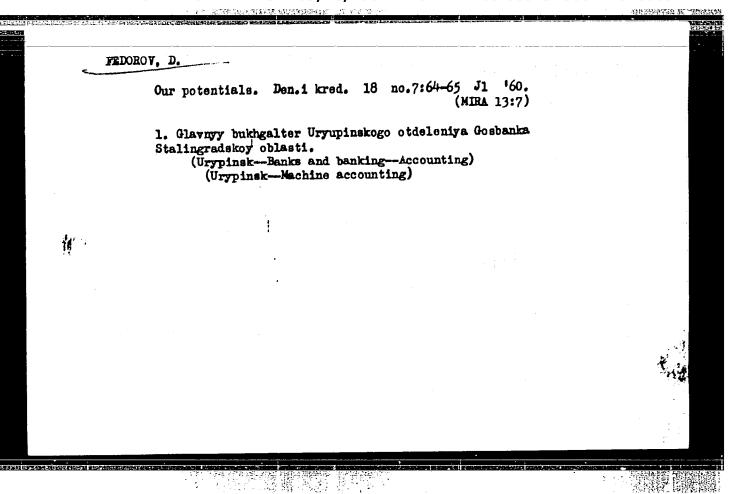
(HYPOCHONDRIA) (SCHIZOPHRENIA)



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"The Dry Vaccine EGG,"

Zhur. Microbiol., Epidemiol., i Immunobiol., No. 10-11, 1944



FEDOROV, D.I.; SHUBIN, M.A.; NEDOREZOV, I.A.; MASHKOVICH, O.N.; LUR'YE, G.K.

Basis for the prospective typification of earthmoving machines in the construction of transportation systems. Transp. stroi. 15 no.9:43-45 S 165. (MIRA 18:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut transportnogo stroitel'stva.

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FADOROI, D. I.

Cand Tach Sci

Dissertation: "Relation among speeds, stressus and capacity of the busic mechanisms of a Single Buck t Excevation."

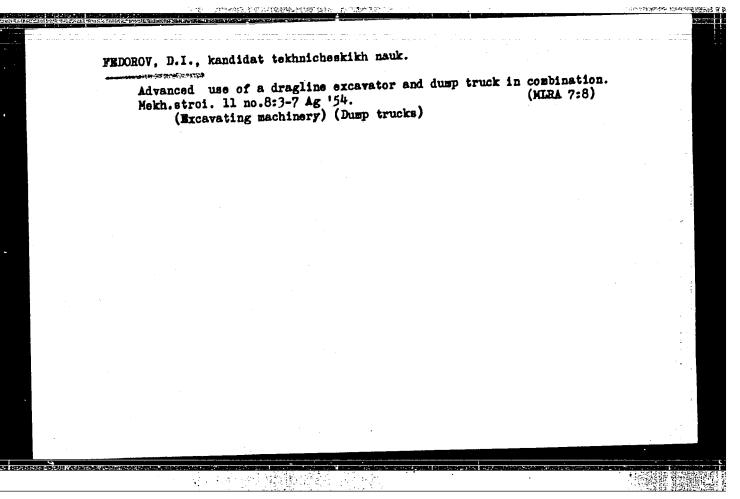
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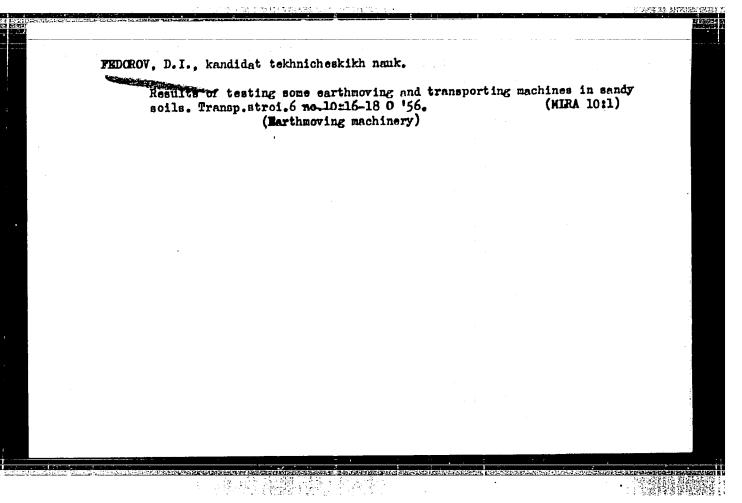
Moscow Order of the Labor Red Banner Engineering Construction Inst imeni V. V. Kuybyshev.

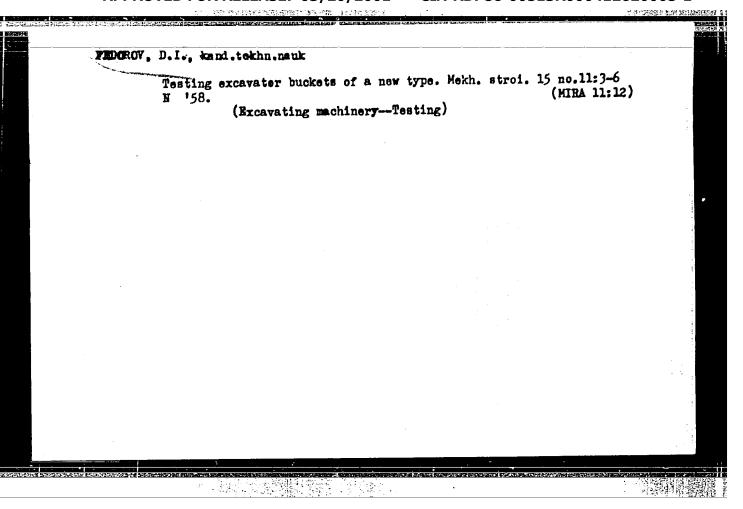
SO Vecheryaya Moskva Sum 71

FEDOROV, Dmitriy Ivanovich, kandidat tekhnicheskikh nauk; KARAMYSHEV, I.A., FEDERATOF, VERINA, G.P., tekhnicheskiy redaktor

[Excavating under winter conditions; experience in building the Agryz - Pronino - Surgut railroad] Proizvodstvo ekskavatornykh rabot v zimnikh usloviiakh; opyt stroitelei zheleznoi dorogi Agryz - Pronino - Surgut. Moskva, Gos. transp. zhel-dor. izd-vo, 1954. 63 p. (Excavation—Cold weather conditions) (MIRA 8:7)







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Semicircular drag-line bucket with solid cutting lips. Rats.i

isobr.v stroi. no.9:36-39 '59. (MIRA 13:1)

1. Po materialam proyektno-konstruktorskogo byuro Glavstroymekhanizatsii Ministerstva transportnogo stroitel stva SSSR

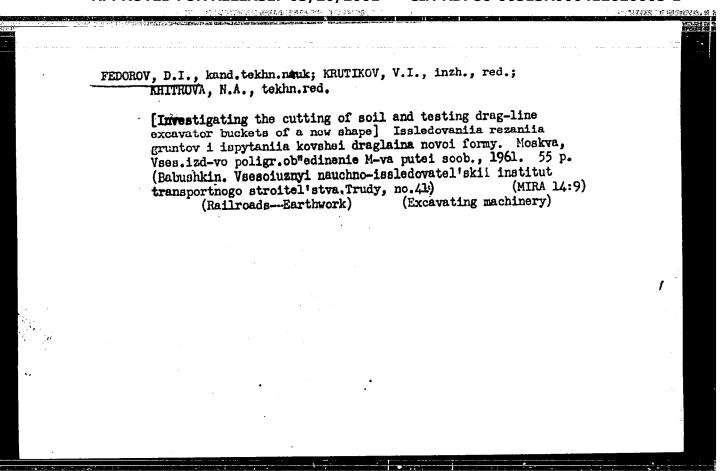
Moskva, ul. 25 Oktyabrya, d.8.
(Excavating machinery)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620005-1"

DOMBROVSKIY, N.G., doktor tekhn.nauk; FEDOROV, D. I., kand.tekhn.nauk New designs of excavator dippers. Stroi. 1 dor. mashinostr. 5 (MIRA 13:10) no.10:3-9 0 '60. (Excavating machinery)

FEDOROV, D.I., kand.tekhn.nauk; TIMASHKOV, M.V., inzh.; HEDOREZOV,
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Testing experimental straight shovel dippers designed by the
Central Communication Scientific Research Institute. Transp.
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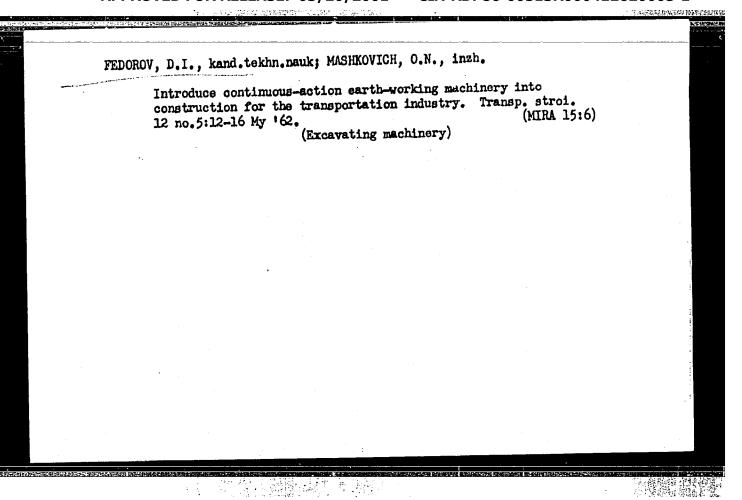
FEDOROV, D.I., kand.tekhn.nauk; NEDOREZOV, I.A., kand.tekhn.nauk;

PLESHKOV, D.I., kand.tekhn.nauk; TARASOV, S.M., inzh.;

SOKOLOVSKIY, S.V., inzh.

Which scraper is better. Stroi. i dor. mash. 6 no.6:13-17 Je

(61. (Scrapers)



NEDOREZOV, I.A., kand.tekhn.nauk; FEDOROV, D.I., kand.tekhn.nauk

Elevating graders and scraper planes. Transp.stroi. 12 nc.7:
29-33 J1 '62.

(Earthmoving machinery)

FEDOROV, D. I., kand. tekhn. nauk

Results of experimental studies on cutting soil. Sbor. trud. MISI no.39:85-100 61. (MIRA 16:4)

1. TSentral'nyy nauchno-issledovatel'skiy institut transportnogo stroitel'stva.

(Earthmoving machinery)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412620005-1"

ALEKSEYEVA, T.V., kand. tekhn. nauk; ARTEM'YEV, K.A., kand. tekhn. nauk; BROMBERG, A.A., prof.; VOYTSEKHOVSKIY, R.I., inzh.; UL'YANOV, N.A., kand. tekhn. nauk; Prinimal uchastiye KONONENKO, M.A., inzh.; FEDOROV, D.I., kand. tekhn. nauk, retsenzent.

[Machines for earthwork; theory and calculation] Mashiny dlia zemlianykh rabot; teoriia i raschet. [By] T.V. Alekseeva i dr. Izd.2., perer. i dop. Moskva, Izd-vo "Mashinostroenie," 1964. 467 p. (MIRA 17:5)

PANKRATOV, S.A., doktor tekhn. nauk; SOLDATKIN, Ye.P., kand. tekhn. nauk; FEDOROV, D.I., kand. tekhn. nauk

Determining the tangential constituent forces in excavation activating the working elements of rotary excavators. Stroi. i dor. mash. 9 no.9:4-6 S '64. (MIRA 17:11)

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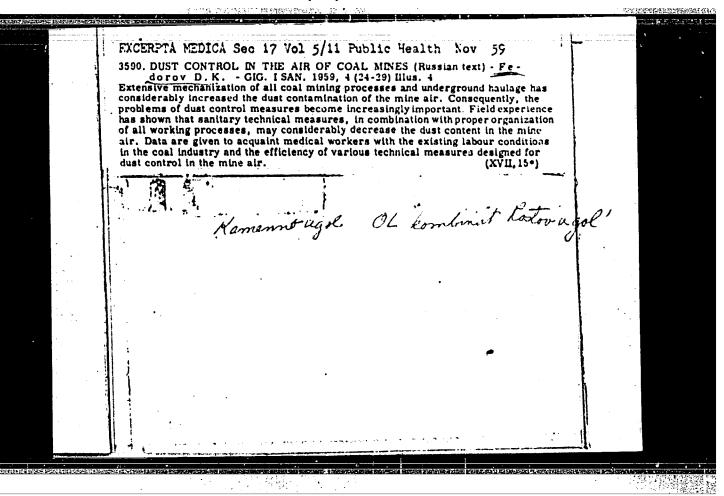
Fossibility of increasing the efficiency of excavating machines in strip mining. Fiz.-tekh. probl. razrab. pol. iskop. no.1: 46-52 '65. (MIRA 18:10)

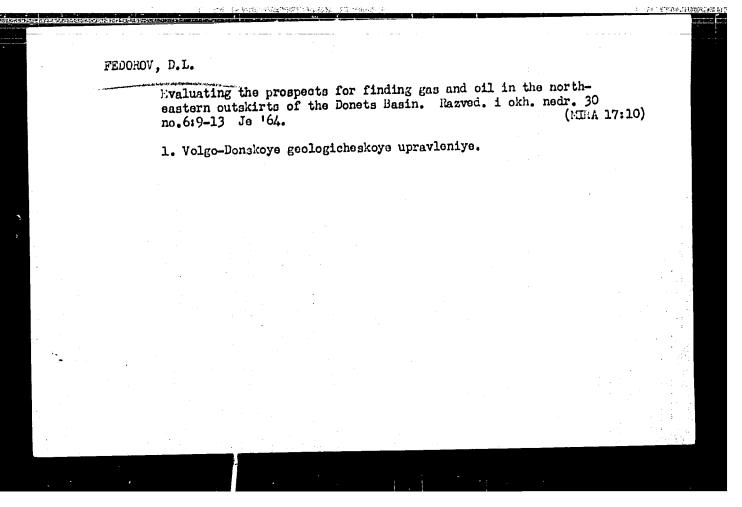
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FEDOROV, D.1., Rand. tekhn. nauk; BONDAROVICH, B.A., insh.

Fxamination of the working conditions of an earthmoving machine. Stroi. i dor. mash. 10 no.8:3-4 Ag 165.

(MIRA 18:9)





BOBUKH, V.A.; FEDIROV, D.L.

New gas condensate fields on the southern slope of Karpinsk swell. (az. prom. 9 no.12:4-7 '64. (MIRA 18:3)

KHOLODKOV, Yu.I.; FEDOROV, D.L.

Estimating hypothetical oil and gas reserves by the volumetric-genetic method. Izv. vys. ucheb. zav.; neft' 1 gaz 8 no.6:22-24 '65.

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1. Rostovskiy gosudarstvennyy universitet i Volgo-Donskoye geologicheskoye upravleniye.

| 1. | FEDOROV, | D.M. |
|----|--------------|------|
| | * ********) | |

- 2. USSR (600)
- 4. Electric Cables
- 7. Dry separation of measuring cables with the use of perchloratevynil enamel PKhV-26 Rab.energ. 3 no. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

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FEDOROV, D. N. DOCENT

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Jan 49

"Professor A. M. Zabludovskiy," Docent D. N. Fedorov, G. Ya. Iosset, 2 pp

"Thirurgiya" No 1

A. M. Zabludovskiy has headed the Chair and Clinic of Gen Surg at First Leningrad Med Inst since 1928.

During World War II, he was chief surgeon of the Adm of Evacuation Hospitals of the VTsSPS of the Tatar and Udmurt republics. He has performed more than 22,000 operations, published 186 scientific works, and trained 9,000 students.

56/49179

LAVROV, V.V.; ARKHANGHL'SKAYA-LEVINA, M.S.; FEDOROV, D.N.; IOSSET, G.Ya.;
SOSNYAKOV, N.G.; BERINGER, Yu.V.; KOZACHINSKIY, H.M.; EERSTSKAYA,
O.I.; GOSHKINA, A.I.; MIKLASHEVSKAYA, A.V.; ZYKOV, A.A.; LEBZLEV,
M.F.; LERGUNOVA, K.S.; RYTSK, Z.A.; FERNKINA, D.Z.; TSIVIN, S.S.

In memory of A.M.Zabludovskii. Khirurgiia no.12:74-75 D '53.
(MIRA 7:1)

(Zabludovskii, Anton Martynovich, 1880-1953)

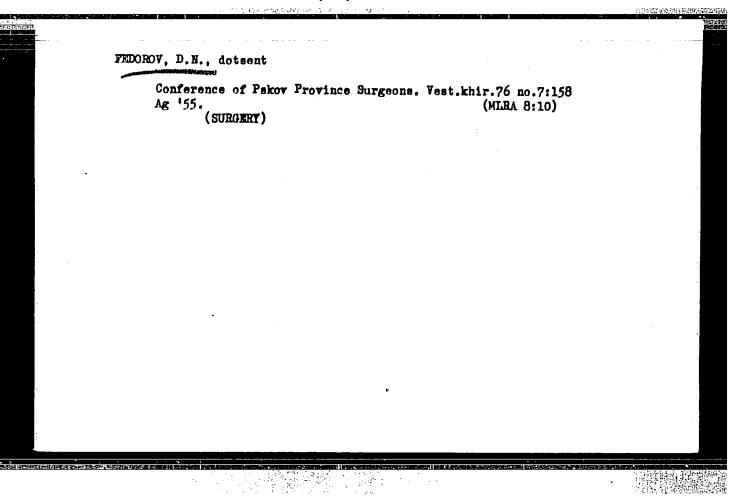
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- 2. USSR (600)
- 4. Antiseptics Therapeutic Use
- 7. Novocaine block and oil balsam antiseptics as a special type of therapy of pathogenesis. A. V. Vishnevskiy, A. A. Vishnevskiy. Reviewed by D. N. Fedorov. Vest. khir. 73, no. 1, 1953.

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KOLESOV, V.I., professor; PEDOROV, D.H.; IOSSET, G.Ya.

Anton Martynovich Zabludovskii; first anniversary of his death,
Vest. khir. 74 no.5:94-96 Jl-Ag '54. (MLRA 7:10)

(ZABLUDOVSKII, ANTON MARTYNOVICH, 1880-1953)



GARVIN, L.I., dotsent (Leningrad, Makhovaya ul., d.14, kv.15) RETHERS, Ye.K.;

FINCEON, D.N., dotsent

Experience in treating patients with acute pancreatitis. Vest.khir. 77 no.10:42-49 0 156. (MIRA 9:12)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta skoroy pomoshchi im. Yu.Yu. Dshanilidse (dir. - dotsent D.N.Fedorov) (PANGREATITIS diag. & ther.)

FEDOROV, D.N.; KOVALENKO, T.V.

Semiautomatic line for the heat treatment of the semiaxles of combines. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 18 no.2:31-32 F '65.

(MIRA 18:5)

29553 8/106/61/000/011/005/006 A055/A127

9,2520 (1139,1159,1161)

AUTHORS: Fedorov, D. P. and Shchevelev, M. I.

TITLE: Broadband correction of the input admittance of a transistor.

PERIODICAL: Elektrosvyaz', no. 11, 1961, 35 - 40

TEXT: The authors analyze the effect of the frequency-dependence of the transistor input admittance on the frequency response of a multi-stage amplifier. A simple correction method is given, permitting to render the input admittance active and constant within a wide frequency band. The complex transfer constant of the multi-stage amplifier (Figure 1) is:

$$\ddot{\ddot{K}} = \frac{\ddot{\ddot{U}}_2}{\ddot{\ddot{U}}_1} = \ddot{\ddot{K}}_{inp} \left[\prod_{i=1}^{n} \ddot{\ddot{K}}_i \right]$$
 (1)

In this formula, $\ddot{K}_{inp} = \ddot{\ddot{U}}_{inp} / \ddot{\ddot{U}}_{1}$ is:

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Broadband correction of the input

and K_i (voltage amplification factor of the i-th stage) is:

$$\overset{*}{K}_{i} = \frac{\overset{*}{Y}_{21i}}{\overset{*}{Y}_{22i} + \overset{*}{Y}_{1oad i}}$$
(3)

 $\ddot{Y}_{load\ i}$ being the admittance of the load of the i-th stage. For all stages, says the n-th $\ddot{Y}_{load\ i}$ = \ddot{Y}_{inp} (i+1). On the other hand:

$$\ddot{Y}_{\text{inp i}} = \ddot{Y}_{11i} - \ddot{Y}_{12i} \frac{\ddot{Y}_{21i}}{\ddot{Y}_{22i} + \ddot{Y}_{\text{load i}}} = \ddot{Y}_{11i} + \ddot{Y}_{12i} \ddot{K}_{i}$$
(4)

In the case of the examined amplifier, K_1 is small; therefore, it can be assumed, $Card\ 2AQ$

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Broadband correction of the input ...

as a first approximation, that:

$$\overset{*}{\mathbf{Y}}_{\text{inp }i}^{\cdot} = \overset{*}{\mathbf{Y}}_{11i} \tag{5}$$

The frequency-dependence of Y_{11i} in the common-emitter arrangement is presented in Figure 2. The elements of this circuit can be considered as frequency-independent up to frequencies approaching ω_{t} (limit frequency of current amplification in the common-base arrangement). In this circuit, r_{b} is the effective base resistance,

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 $r_{11} = \frac{1}{g_{em} (1 - \alpha_0)}$ and $c_{11} = \frac{1.2 g_{em}^{D}}{\omega_{ck}}$.

 α_0 is here the current amplification in the common-base arrangement at low frequencies; $\alpha_{\rm em} = \Gamma_{\rm em} = 0$ km is the diffusion conductance of the emitter; $\Gamma_{\rm em} = 0$ is the direct component of the emitter current; e is the electron charge; k is the Boltzmann constant; T is the absolute temperature. It follows from the circuit of Figure 2 that:

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Broadband correction of the input

$$\overset{*}{Y}_{11} = \frac{1}{r_{b} + r_{11}} \frac{1 + i\omega \tilde{t}_{1}}{1 + i\omega \tilde{t}_{0}}$$
 (6)

where

$$\tau_{11} = r_{11} c_{11}; \quad \tau_{0} = \tau_{11} \frac{r_{b}}{r_{11} + r_{b}}$$

Substituting (6) in (2) and assuming that $Z_{gen} = R_{gen}$, we obtain:

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$$K_{\text{inp}} = K_{\text{inp } 0} \frac{1 + i \pi}{1 + i \eta [1 + 1(1 - a)]}$$
 (7)

where
$$\eta = \omega \tau_0$$
; $a = \tau_0 / \tau_{11} = \frac{r_b}{r_{11} + r_b}$; $1 = \frac{r_{gen}}{a(r_{gen} + r_{11} + r_b)}$.

At low frequencies: $K_{\text{inp}} = K_{\text{inp}} = \frac{r_{11} + r_b}{R_{\text{gen}} + r_{11} + r_b}$. If $R_{\text{gen}} \ll r_b + r_{11}$, $K_{\text{inp}} \rightarrow 1$

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Broadband correction of the input

and ceases to depend on frequency. If $R_{gen} \gg r_b + r_{11}$, a simple formula can be derived vom Eq. (7), determining the upper limit frequency of K_{inp} . This formula is:

$$\omega_{\text{lim}} = \frac{1 + \frac{r_{11} + r_{b}}{R_{\text{gen}}}}{\tau_{11}}$$
 (8)

It shows that, at $R_{gen} \gg r_{11} + r_b$, the limit frequency is determined by the in-put-circuit time-constant C_{11} :

$$\omega_{\text{lim}}^{1} = \frac{1}{t_{\text{fl}}} = \frac{\omega_{\text{d}} (1 - \alpha_{\text{O}})}{1.2}$$
 (9)

A graph shows that, when R_{gen} decreases, the increase of the limit frequency is insignificant. The conclusion is that the limit frequency of the amplifier with common-emitter arrangement exceeds but slightly the upper limit of the sound

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Broadband correction of the input

range. The use of a simple parallel inductive correction permits, however, to improve substantially the frequency-dependence of the input admittance. Figure 4 is the equivalent circuit of the input admittance and of the correcting two-terminal network. The equivalent admittance is:

where $\tau_{cor} = L/R$ is the time-constant of the correcting circuit. From (10) we obtain:

$$\frac{\mathring{Y}_{eq}}{Y_{eq}} = \frac{1 - \eta^2 k l + i \eta [1 + l + a l (k - 1)]}{1 - \eta^2 k + i \eta (k + 1)}$$
(11)

where $Y_{eq} = \frac{1}{r_b + r_{11}} + \frac{1}{R} = \frac{1}{r_b 1}$; $K = \frac{\tau_{cor}}{\tau_0}$ is the correction factor, the other symbols being the same as in (7). The frequency and the phase characteristics of Card 6/10

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Broadband correction of the input

the input admittance are given, respectively, by:
$$\frac{Y_{\text{eq}}}{Y_{\text{eq}}} = \sqrt{\frac{(1 - \eta^2 \text{kl})^2 + \eta^2 [1 + 1 + \text{al}(\text{k} - 1)]^2}{(1 - \eta^2 \text{k})^2 + \eta^2 (\text{k} + 1)^2}}$$
(12)

$$\varphi = \text{arc tg} \eta \frac{(1 - \eta^2 k) [1 + 1 + al(k - 1)] - (1 - \eta^2 kl)(k + 1)}{(1 - \eta^2 k) (1 - \eta^2 kl) + \eta^2 [1 + 1 + al(k - 1)](k + 1)}$$
(13)

It follows from (12) and (13) that, when:

$$K = K_O = 1$$
 and $l = l_O = 1$,
 $Y_{eq} = Y_{eq O}$ and $\varphi = 0$ (14)

This means that the input admittance is active and frequency-independent. Correction according to conditions (14) has, however, the following drawback: the equivalent input admittance proves large, which considerably reduces the amplification of χ

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Broadband correction of the input

the preceding stage. The input admittance is reduced when $1 > 1_0$, but it ceases then to be purely active. The "Braude" criterion makes it possible to find the condition ensuring the optimum frequency characteristic of the input admittance:

$$[1+1+a1(K_{opt}-1)]^2 = K_{opt}^2 + 2 K_{opt}^1 + 1$$
 (17)

From formula (17) the optimum correction parameter is derived:

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$$K_{\text{opt}} = \frac{\sqrt{\frac{21(1+1)(1-a)}{1-a1} - 1(1-a)}}{\frac{1+a1}{1+a1}}$$
(18)

The dependence of the limit frequency of the optimum frequency characteristic on the parameter 1 is given by the following expression:

$$\eta_{\text{lim opt}} = \sqrt{\frac{\kappa_{\text{opt}}^2 - 1}{2 \kappa_{\text{opt}}^2 (1^2 - 2)} \left[1 + \sqrt{1 + \frac{4 \kappa_{\text{opt}}^2 (1^2 - 2)}{(\kappa_{\text{opt}}^2 + 1)^2}} \right]}$$
 (19)

When $1 \leqslant \sqrt{2}$, the input admittance remains practically constant (as shown by a Card 8/10)

Broadband correction of the input

S/106/61/000/011/005/006 A055/A127

graph) within a wide frequency band. An experimental check of the results obtained with the above set of formulae is given at the end of the article. The experimental data coincide, with sufficient accuracy, with the theoretically obtained results. There are 7 figures, 3 Soviet-bloc and 2 non-Soviet-bloc references. The references to the English-language publications read as follows: Zavels. Physical theory of new circuit representation for junction transistors. "Journ. Appl. Phys.", 1954, v. 25, No. 8; Pritchard. Frequency variations of junction transistors parameters. "Proc. IRE.", 1954, v. 42, No. 5.

SUBMITTED: March 23, 1961.

[Abstracter's note: The following subscripts are translated in formulae and text: gen (generator)stands for r; inp stands for Bx; load stands for H; b (base) stands for 6; em (emitter) stands for 3; eq (equivalent) stands for 3; lim (limit) stands for πp; opt (optimum) stands for onr; cor (correction)

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Card 9/10/3

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S/106/62/000/005/007/007 A055/A101

Fedorov, D.P.: Shohevelev, M.I.

TITLE:

On the approximate phase-frequency and transient characteristics of the current transmission coefficient of the junction transistor

PERIODICAL: Elektrosvyaz, no. 5, 1962, 72 - 74

TEXT: The current transmission coefficient (at short-circuit in the common base arrangement) is:

 $\alpha = \gamma \operatorname{sech} \frac{W_0}{L_p} \sqrt{1 + 1 \omega \tau_p}$, (1)

where γ is the emitter efficiency, W_0 the width of the base region, L_p the diffusion length of the holes in the base region (in p-n-p transistors), τ_p the life-time of the holes, ω the angular frequency. This formula is, however, too complicated for calculations and leads to cumbersome expressions for the transient characteristic α (t). Several approximate expressions have been suggested, therefore, for the phase-frequency and transient characteristics of α . The author suggests an approximation rather similar to that put forward by T.M. Aga-

Card 1/3

S/106/62/000/005/007/007 A055/A101

On the approximate phase-frequency and

khanyan (Radiotekhnika, 1958, v. 13, no. 2). Referring to the work of Ya.A. Kamenetskiy [Ekivalentnyye skhemy kristallicheskikh triodov, "Poluprovodnikovyye pribory i ikh primeneniya" (Crystal triode equivalent circuits, "Semiconductor devices and their applications"), Collection of articles edited by Ya.A. Fedorov, Izd. "Sov. Radio", 1957, no. 2], the author writes:

$$\frac{\alpha_{0}}{(1+i\eta\omega_{x}T)(1+i\eta m\omega_{x}T)},$$
(4)

where $\eta=\omega/\omega_{\rm c}$, $\alpha_0=\gamma$ sech $\frac{\rm W_0}{L_p}$ and m and T are coefficients chosen from

the coincidence condition of the modulus and phase of (1) and (4) on the limit frequency ω_{α} . The functions $\mathbf{m}=\mathbf{f}_1$ (α_0) and ω_{α} T = \mathbf{f}_2 (α_0) are represented graphically. The comparative analysis of the various graphs showing the phase-frequency characteristics calculated according to formulae (1), (4) and to the Agakhanyan formula leads the author to the conclusion that, for technical calculations, it is altogether possible to use the averaged values $\mathbf{m}_{\mathrm{aver}}$ and ω_{α} Taver. Replacing in (4) i ω by the complex operator p, the author obtains

Card 2/3

On the approximate phase-frequency and

the following expression (in operator form) for the transient characteristic:

$$\alpha(p) = \frac{\alpha_0}{(1 + pT)(1 + pmT)}$$
 (6)

To this expression corresponds the following integrated transient characteristic:

$$\frac{\alpha (t)}{\alpha_0} = 1 - \frac{1}{1 - m} e^{-\frac{\theta}{\omega_{\alpha} T}} + \frac{m}{1 - m} e^{-\frac{\theta}{\omega_{\alpha} mT}}, \qquad (7)$$

where $\theta=\omega_{\infty}$ t. The Soviet personalities mentioned in the article are: E.I. Adirovich, V.G. Kolotilova, and A.A. Grinberg. There are 4 figures.

June 10, 1961

KUZNETSOV, V.I.; FEDOROV, D.P.; SHCHEVELEV, M.I.

Leakage and instability of germanium junction transistors. Izv. vys.ucheb.zav.; fiz. no.3:27-31 163. (MIRA 16:12)

1. Voronezhskiy politekhnicheskiy institut.

L 01295-66 DAT(m)/EMP(t)/EMP(b) IJP(c) JD/GS ACCESSION NR: AT5020463 UR/0000/64/000/000/0177/0184 AUTHOR: Fadorov, D. P.; Shchevelev, N. I.; Kuznetsov, V. I. TITLE: Effect of leakage on the stability of germanium transistor parameters SOURCE: Muzhvuzovskaya nauchno-tekhnicheskaya konferentsiya po fizike poluprovodnikov (poverkhnostnyye i kontaktnyye yavleniya). Tomsk, 1962. Poverkhnostnyye i kontaktnyye yavleniya v poluprovodnikakh (Surface and contact phenomena in semiconductors). Tomsk, Izd-vo Tomskogo univ., 1964, 177-184 TOPIC TAGS: collector emitter junction, germanium transistor/ P4 germanium transis-ABSTRACT: The authors study the effect of leakage in the collector junction on the stability of the collector current and the amplification factor in P4A-P4D germanium alloyed-junction transistors. The studies showed that the form of the current-voltage curve for the collector junction depends on the nature of the function leak (V_{COI}) (see fig. 1 of the Enclosure). Investigation of the nature of collector current instability in type P4 transistors showed various forms of changes in the collector current with a definite collector voltage at room temperature. In one Card 1/4

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